

# Section K: California Water Code, Division 6, Part 2.6: Urban Water Management Planning

The following sections of California Water Code Division 6, Part 2.6, are available online at http://www.leginfo.ca.gov/calaw.html.

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# **Chapter 1. General Declaration and Policy**

**10610.** This part shall be known and may be cited as the "Urban Water Management Planning Act."

#### 10610.2.

- (a) The Legislature finds and declares all of the following:
  - (1) The waters of the state are a limited and renewable resource subject to everincreasing demands.
  - (2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.
  - (3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.
  - (4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.
  - (5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.
  - (6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.

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(7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

- (8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.
- (9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.
- (b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

**10610.4.** The Legislature finds and declares that it is the policy of the state as follows:

- (a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.
- (b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.
- (c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

# **Chapter 2. Definitions**

- **10611.** Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.
- **10611.5.** "Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.
- **10612.** "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.
- **10613.** "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.
- **10614.** "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

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**10615.** "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

**10616.** "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

**10616.5.** "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

**10617.** "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

# **Chapter 3. Urban Water Management Plans**

# Article 1. General Provisions

## 10620.

- (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).
- (b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.
- (c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.
- (d) (1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.

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(2) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.

- (e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.
- (f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

#### 10621.

- (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero.
- (b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days prior to the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.
- (c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

### Article 2. Contents of Plans

**10630.** It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.

**10631.** A plan shall be adopted in accordance with this chapter that shall do all of the following:

- (a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.
- (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of

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water available to the supplier, all of the following information shall be included in the plan:

- A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.
- (2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For those basins for which a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.
- (3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
- (4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
- (c) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:
  - (A) An average water year.
  - (B) A single dry water year.
  - (C) Multiple dry water years.
  - (2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

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(d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.

- (e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:
  - (A) Single-family residential.
  - (B) Multifamily.
  - (C) Commercial.
  - (D) Industrial.
  - (E) Institutional and governmental.
  - (F) Landscape.
  - (G) Sales to other agencies.
  - (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.
  - (I) Agricultural.
  - (2) The water use projections shall be in the same five-year increments described in subdivision (a).
- (f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:
  - (1) A description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:
    - (A) Water survey programs for single-family residential and multifamily residential customers.
    - (B) Residential plumbing retrofit.
    - (C) System water audits, leak detection, and repair.
    - (D) Metering with commodity rates for all new connections and retrofit of existing connections.

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- (E) Large landscape conservation programs and incentives.
- (F) High-efficiency washing machine rebate programs.
- (G) Public information programs.
- (H) School education programs.
- (I) Conservation programs for commercial, industrial, and institutional accounts.
- (J) Wholesale agency programs.
- (K) Conservation pricing.
- (L) Water conservation coordinator.
- (M) Water waste prohibition.
- (N) Residential ultra-low-flush toilet replacement programs.
- (2) A schedule of implementation for all water demand management measures proposed or described in the plan.
- (3) A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.
- (4) An estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the supplier's ability to further reduce demand.
- (g) An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:
  - (1) Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.
  - (2) Include a cost-benefit analysis, identifying total benefits and total costs.
  - (3) Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.

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(4) Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.

- (h) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs, other than the demand management programs identified pursuant to paragraph (1) of subdivision (f), that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.
- (i) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.
- (j) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivisions (f) and (g) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.
- (k) Urban water suppliers that rely upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).

#### 10631.1.

(a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code,

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as identified in the housing element of any city, county, or city and county in the service area of the supplier.

(b) It is the intent of the Legislature that the identification of projected water use for single-family and multifamily residential housing for lower income households will assist a supplier in complying with the requirement under Section 65589.7 of the Government Code to grant a priority for the provision of service to housing units affordable to lower income households.

#### 10631.5.

- (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).
  - (2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).
  - (3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.
  - (4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the

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- department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.
- (B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a water demand management measure is less than the present value of the local costs of implementing that measure.
- (b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:
  - (A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.
  - (B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.
  - (2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:
    - (i) Compliance on an individual basis.
    - (ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.

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- (B) The department may require additional information for any determination pursuant to this section.
- (3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the water demand management measures described in Section 10631.
- (c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).
- (d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.
- (e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit annual reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.
- (f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

10631.7. The department, in consultation with the California Urban Water Conservation Council, shall convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The panel shall consist of no more than seven members, who shall be selected by the department to reflect a balanced representation of experts. The panel shall have at least one, but no more than two, representatives from each of the following: retail water suppliers, environmental organizations, the business community, wholesale water suppliers, and academia. The panel shall be convened by January 1, 2009, and shall report to the

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Legislature no later than January 1, 2010, and every five years thereafter. The department shall review the panel report and include in the final report to the Legislature the department's recommendations and comments regarding the panel process and the panel's recommendations.

- **10632.** The plan shall provide an urban water shortage contingency analysis which includes each of the following elements which are within the authority of the urban water supplier:
- (a) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.
- (b) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.
- (c) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.
- (d) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.
- (e) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.
- (f) Penalties or charges for excessive use, where applicable.
- (g) An analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.
- (h) A draft water shortage contingency resolution or ordinance.
- (i) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.
- **10633.** The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water

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supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

- (a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.
- (b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.
- (c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.
- (d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.
- (e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.
- (f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.
- (g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

**10634.** The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

# Article 2.5. Water Service Reliability

#### 10635.

(a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand

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assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

- (b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.
- (c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.
- (d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

# Article 3. Adoption and Implementation of Plans

**10640.** Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630).

The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

**10641.** An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

**10642.** Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area. After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

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**10643.** An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

#### 10644.

(a) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

- (b) The department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part. The report prepared by the department shall identify the exemplary elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.
- (c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report those water demand management measures adopted and implemented by specific urban water suppliers, and identified pursuant to Section 10631, that achieve water savings significantly above the levels established by the department to meet the requirements of Section 10631.5.
  - (2) The department shall distribute to the panel convened pursuant to Section 10631.7 the results achieved by the implementation of those water demand management measures described in paragraph (1).
  - (3) The department shall make available to the public the standard the department will use to identify exemplary water demand management measures.

**10645.** Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

# **Chapter 4. Miscellaneous Provisions**

**10650.** Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

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(a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

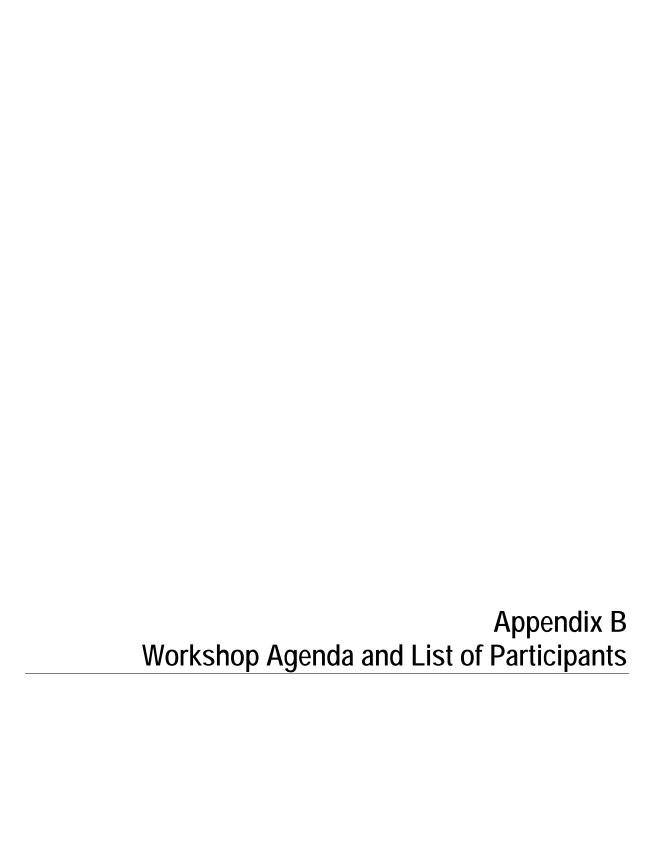
- (b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.
- **10651.** In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.
- **10652.** The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.
- 10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.
- **10654.** An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.
- **10655.** If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or

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applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.

**10656.** An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26 (commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

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# **Urban Water Management Plan Update 2010** Planning Session Agenda

City of Santa Maria Utilities Department March 22, 2011 2:00 PM

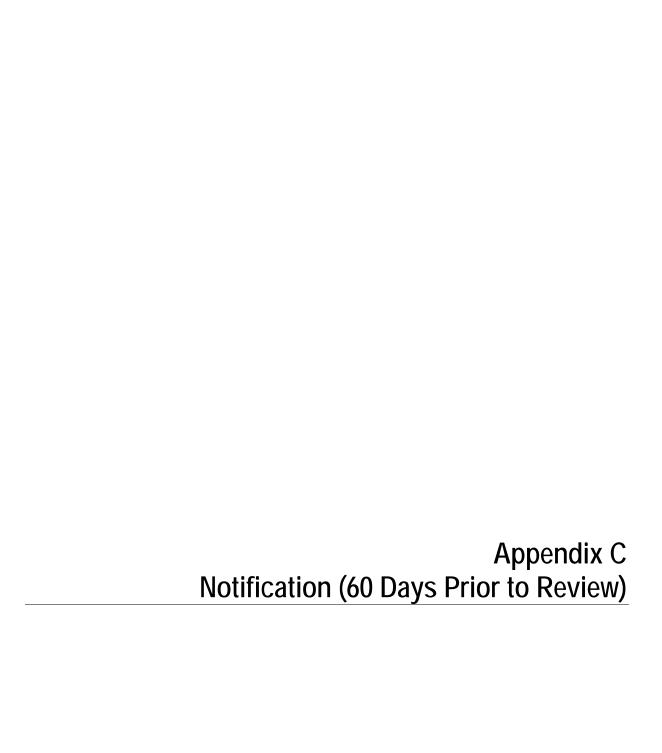
- Introductions
- Purpose of this Meeting Data Exchange Buy-in of Data Sources/Assumptions
- Overview 2010 Update New Elements SBX7x7 Low Income Housing Schedule **DWR Checklist**
- Data Input/Exchange **Population** Water Supply Water Demands 20x2020 Impacts Low Income Housing Other
- Water Shortage Contingency Plan
- Questions

# **MEETING SIGN-IN SHEET**

Project:Urban Water Management PlanMeeting Date:3/22/11 2 pm

Facilitator: Shannon Sweeney Place/Room: City of Santa Maria Landfill Conference Room

Name	Title	Company
Peter Sevile	District Engineer	Nipomo CSD
Michael LeBrun	Interim General Maria	100
John Brady	Operations Manager/ Engr	Central Coast Water Authority
Joan Leon	community member	
RANDY SHAREN		SHAREN BRUS FARMS
Shannon Sweenly	Water Resources Mgr	City of Santa Maria
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Business Services • Regulatory Compliance Solid Waste Services • Water Resources

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March 3, 2011

Dennis Delzeit City Engineer City of Guadalupe 918 Obispo Street Guadalupe, CA 93434

Subject City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. Delzeit,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. The City of Guadalupe has been identified as an adjacent water retailer in the Santa Maria Groundwater Basin. In order to update the UWMP(s), the City or its consultant, CH2M HILL, will be contacting you to obtain water supply planning information including growth projections, population, and land use data.

The City will also contact you in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

If you have additional information that may benefit this update, or questions and concerns, please feel free to contact us. I can be reached at (805) 925-0951 ext. 7211, and the staff at CH2M HILL can be reached via Terry Foreman at (805) 371-7817 ext. 38065.

Sincerely,

Richard G. Sweet, P.E. Director of Utilities





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 FAX 805-928-7240 SANTA MARIA, CALIFORNIA 93454-8026 2065 EAST MAIN STREET .

March 3, 2011

Regan Candelario City Administrator City of Guadalupe 918 Obispo Street Guadalupe, CA 93434

City of Santa Maria - 2010 Urban Water Management Plan Updates Subject

Dear Mr. Candelario,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. The City of Guadalupe has been identified as an adjacent water retailer in the Santa Maria Groundwater Basin. In order to update the UWMP(s), the City or its consultant, CH2M HILL, will be contacting you to obtain water supply planning information including growth projections, population, and land use data.

The City will also contact you in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

If you have additional information that may benefit this update, or questions and concerns, please feel free to contact us. I can be reached at (805) 925-0951 ext. 7211, and the staff at CH2M HILL can be reached via Terry Foreman at (805) 371-7817 ext. 38065.

Sincerely,

d G. Sweet, P.E. Director of Utilities



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March 3, 2011

William Brennan
Executive Director
Central Coast Water Authority
255 Industrial Way
Buellton, CA 93427

Subject:

City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. Brennan,

The Urban Water Management Planning Act (Act) requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. Central Coast Water Authority has been identified as a wholesale water provider to the City. The Act requires the City to provide information regarding projected water supply sources in the UWMP. In order to update the UWMP, the City or its consultant, CH2M HILL, will be contacting you to obtain data as required by the Act to meet supply definition and reliability issues.

The City will also contact Central Coast Water Authority in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. The City will also provide your organization with a draft copy of the UWMP for your review and comments. In addition, the City will send out the final UWMP within 30 days of adoption by the City.

If you have additional information that may benefit this update, or questions and concerns, please feel free to contact us. I can be reached at (805) 925-0951 ext. 7211, and the staff at CH2M HILL can be reached via Terry Foreman at (805) 371-7817 ext. 38065.

Sincerely,

Ricward G. Sweet, P.E. Director of Utilities



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March 3, 2011

Dan W, Talaga, P.E. Senior Civil Engineer Golden State Water Company 3035 Prospect Park Drive, Suite 60 Rancho Cordova, CA 95670

Subject City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. Talaga,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. The Golden State Water Company has been identified as an adjacent water retailer in the Santa Maria Groundwater Basin. In order to update the UWMP(s), the City or its consultant, CH2M HILL, will be contacting you to obtain water supply planning information including growth projections, population, and land use data.

The City will also contact you in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

If you have additional information that may benefit this update, or questions and concerns, please feel free to contact us. I can be reached at (805) 925-0951 ext. 7211, and the staff at CH2M HILL can be reached via Terry Foreman at (805) 371-7817 ext. 38065.

Sincerely,

ARCHAI'd G. Sweet, P.E. Director of Utilities City of Santa Maria





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March 3, 2011

Robert Braitman
Executive Officer, The Local Agency Formation Commission
County of Santa Barbara
105 E. Anapamu Room 406
Santa Barbara, CA 93101

Subject City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. Braitman,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. It was found that the City's system falls within your boundaries. In order to update the UWMP(s), the City or its consultant, CH2M HILL, will be contacting you to obtain planning information including growth projection, population, and land use data.

The City will also contact County of Santa Barbara in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

If you have additional information that may benefit this update, or questions and concerns, please feel free to contact us. I can be reached at (805) 925-0951 ext. 7211, and the staff at CH2M HILL can be reached via Terry Foreman at (805) 371-7817 ext. 38065.

Sincerely,

Richard G. Sweet, P.E. Director of Utilities



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March 3, 2011

Glenn Russell
Director Planning and Development
County of Santa Barbara
123 East Anapamu Street
Santa Barbara, CA 93101

Subject City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. Russell,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. It was found that portions of the City's system fall within your boundaries. In order to update the UWMP(s), the City or its consultant, CH2M HILL, will be contacting you to obtain planning information including growth projection, population, and land use data.

The City will also contact County of Santa Barbara in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

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Sincerely,

Richard G. Sweet, P.E. Director of Utilities



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March 3, 2011

Marty Wilder General Manager Laguna County Sanitation District 620 West Foster Road Santa Maria, CA 93455

Subject City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. Wilder,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. The Act requires that the UWMPs contain descriptions of wastewater systems in the service areas and recycled water use/potential. In order to update the UWMP, the City or its consultant, CH2M HILL, will be contacting you to obtain data regarding wastewater systems and recycled water use or plans for use.

The City will also contact Laguna County Sanitation District in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

If you have additional information that may benefit this update, or questions and concerns, please feel free to contact us. I can be reached at (805) 925-0951 ext. 7211, and the staff at CH2M HILL can be reached via Terry Foreman at (805) 371-7817 ext. 38065.

Sincerely,

Richard G. Sweet, P.E. Director of Utilities



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March 3, 2011

Michael LeBrun General Manager Nipomo Community Services District P.O. Box 326 Nipomo, CA 93444

Subject City of Santa Maria - 2010 Urban Water Management Plan Updates

Dear Mr. LeBrun,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually, or 3,000 customers, prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. However, because of recent changes in UWMP requirements, State law has extended the deadline for the 2010 Plans to July 1, 2011. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources.

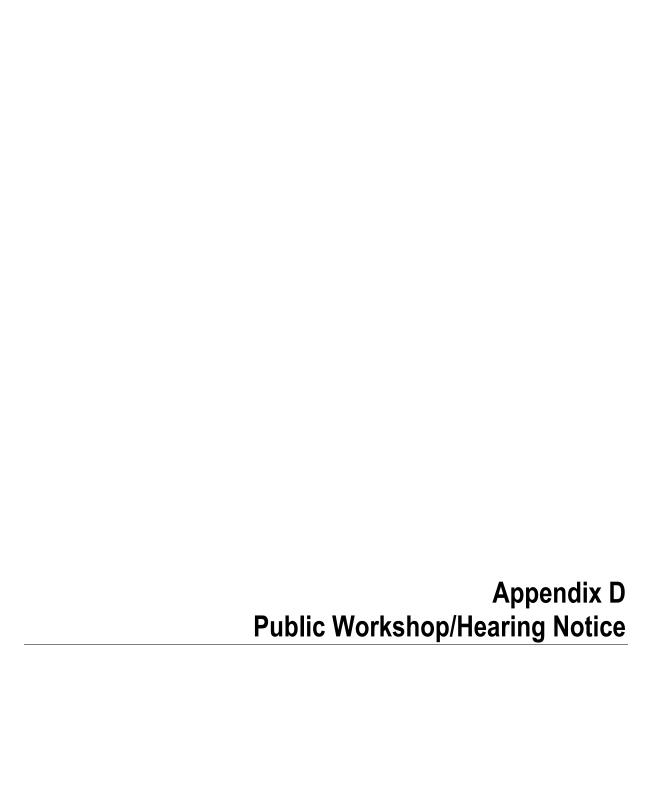
The City of Santa Maria (City) is in the process of preparing the 2010 UWMP. The Nipomo Community Services District has been identified as an adjacent water retailer in the Santa Maria Groundwater Basin. In order to update the UWMP(s), the City or its consultant, CH2M HILL, will be contacting you to obtain water supply planning information including growth projections, population, and land use data.

The City will also contact you in the future regarding public meetings where we will discuss the UWMP. We encourage your attendance and input. A draft UWMP will be available for public review before the public meeting.

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Sincerely,

Richard G. Sweet, P.E. Director of Utilities City of Santa Maria



# Urban Management Plan

## Thursday May 19, 2011

6:30 p. m.

### Santa Maria City Hall Council Chambers

110 E. Cook Street

The City of Santa Maria will be presenting its Urban Water Management Plan Update. This workshop will inform the community regarding the plan, including information pertaining to water supplies, projected water demands, alternative water supplies, and water conservation measures. All those interested are encouraged to attend.

The public review draft is available at the following locations:

- · Utilities Department, 2065 E. Main Street
- City Clerk's Office, 110 E. Cook Street, Rm. 3
- Reference Section of the City Library, 420 S. Broadway

For more information please contact the Utilities Department at (805) 925-0951 ext. 7270.



## CITY OF SANTA MARIA UTILITIES DEPT



Questions? Call 925-0951 ext, 7270

# CIUDAD DE SANTA MARIA Discusión Informativa Sobre El Plan Urbano de la Administración de Agua

Mayo 19, 2011
6:30 p. m.
Alcaldía de la Ciudad de Santa Maria
(City Hall)
Cámara de Concilio
110 E. Cook Street

La Ciudad de Santa Maria estará presentando su Plan Urbano de la Administración de Agua. Esta discusión informara a la comunidad sobre el plan incluyendo información sobre la reserva de agua, las demandas de agua en el futuro, provisiones alternativas de agua, y medidas de conservación. Todas las personas interesadas se les recomienda atender a este taller.

La versión disponible para revisión publica esta disponible en las siguientes locaciones: Departamento de Utilidades- 2065 E. Main Street Oficina Secretarial- 110 E. Cook Street, Cuarto #3 Sección de Referencia en la Librería Pública- 420 S. Broadway

Para mas información por favor llame al Departamento de Utilidades al (805) 925-0951 ext. 7270.

# Urban Management Plan

#### CITY OF SANTA MARIA · PUBLIC HEARING NOTICE

NOTICE IS HEREBY GIVEN that the City Council of the City of Santa Maria will conduct a public hearing on Tuesday, July 5, 2011, at 6:30 p.m. in the Council Chambers, 110 East Cook Street, Santa Maria, California, to consider:

URBAN WATER MANAGEMENT PLAN

WPDATE. The City Council will consider the Urban Water Management Plan Update as mandated by AB797 which requires medium and large urban water purveyors to prepare and adopt an Urban Water Management Plan and update it every five years. The City's original Plan was adopted in June of 1988 with updates adopted in October 1991, May 1996, and December 2000.

Information and copies of the supporting data are on file in the Utilities Department, 2065 E. Main Street, ext. 7270. Copies of the staff report regarding this item will be available for public review in the City Clerk's Office at 110 E. Cook Street, Rm.3, the Reference Section of the City Library at 420 S. Broadway, and on the City's Web Site at www.ci.santa-maria. ca.us on Friday, July 1, 2011.

All interested persons are invited to attend. If you challenge the above-noticed project in court, you may be limited to raising those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the City of Santa Maria at, or prior to, the public hearing.

The City of Santa Maria welcomes orderly participation at its meetings from all members of the public. Participation includes assistance under the Americans with Disabilities Act to provide an equally effective opportunity for individuals with a disability to participate in and benefit from City activities. To request assistance, please call 925-0951, Ext. 307, or the California Relay Service at (800) 735-2929 for TDD (Telecommunications Devices for the Deaf). Notification at least by the Friday before the meeting would enable the City to make reasonable arrangements to ensure accessibility to this meeting.

Dated: June 19, 2011 PATRICIA A. PEREZ CHIEF DEPUTY CITY CLERK



# CITY OF SANTA MARIA

Santa Maria All-America City

Questions? Call 925-0951 ext. 7270

# La Actualización del de la Administración de

#### CIUDAD DE SANTA MARIA · ANUNCIO DE AUDIENCIA PÚBLICA

NOTIFICACIÓN ESTÁ DADA POR ESTE MEDIO que los Miembros del Consejo de la Ciudad de Santa Maria estarán conduciendo una audiencia pública el Martes, 5 de Julio del 2011 a las 6:30 p.m. en la Cámara de Concilio, 110 E. Cock St., Santa Maria, California, para considerar lo siguiente:

LA ACTUALIZACIÓN DE EL PLAN URBANO DE LA ADMINISTRACIÓN DE AGUA. Los miembros del Consejo considerarán el Plan Urbano de la Administración de Agua como está mandado por la ley AB797 que requiere que proveedores de agua de ciudades medianas y grandes preparen y adopten un Plan Urbano de Administración de Agua y lo actualicen cada cinco años. El plan original de la Ciudad fue adoptado en Junio de 1988 con actualizaciones adoptadas en Octubre 1991, Mayo 1996, y Diciembre 2000.

Información y copias de los datos de apoyo se encuentran guardados en el Departamento de Utilidades, 2065 E. Main St., ext. 7270. Copias de este reporte estarán disponibles para la revisión pública en la Oficina de la Secretaría Municipal en el 110 E. Cook St. Cuarto #3, la Sección de Referencia de la Biblioteca Pública en el 420 S. Broadway, y en la página Web de la Ciudad en el www.ci.santa-maria.ca.us, el Viernes, 1 de Julio, 2011.

Todas las personas interesadas se les recomienda atender. Si usted llega a disputar este proyecto en corte, puede que usted sea limitado a mencionar los puntos que usted o alguien mas presentó en la audiencia pública escrita en esta notificación, o en correspondencias enviadas a la Ciudad de Santa Maria al momento, o antes, de la audiencia pública.

La Ciudad de Santa Maria da la bienvenida a la participación pacifica de todos los miembros del público en sus juntas. La participación incluye asistencia bajo la Ley de Estadounidenses con Discapacidades (ADA) para proveer una plano de igualdad hacia las personas con discapacidades que desean participar y beneficiarse de las actividades organizadas por la Ciudad. Para pedir asistencia, por favor llame al 925-0951, Ext. 307, o el Servicio de Revelo al (800) 735-2929 para el TDD (Servicios de Telecomunicaciones para personas con problemas de audición). Para este servicio notificaciones necesitan ser recibidas el Viernes antes de la audiencia para que la Ciudad haga los arreglos correspondientes y así se pueda asegurar la accesibilidad a esta junta.

Fecha: Junio 19, 2011

PATRICIA A. PEREZ SECRETARIA DIPUTADA PRINCIPAL



CITY OF SANTA MARIA UTILITIES DEPT



Questions? Call 925-0951 ext, 7270



# Appendix E Public Workshop/Hearing Materials

#### Contents

- Public Workshop (May 19, 2011) Sign-in Sheet
- Public Hearing Agenda, July 5, 2011
- Response to Comments Received at:
  - o Public Workshop
  - o Public Hearing
- Response to Written Comments Received



# CITY OF SANTA MARIA PUBLIC WORKSHOP Urban Water Management Plan MAY 19, 2011 6:30 P.M.



NAME	AFFILIATION (If applicable)	CITY RESIDENT?	ADDRESS	PHONE NUMBER
Mel Raveling		yes	2240 Caballero	
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#### AGENDA OF THE CITY COUNCIL CITY OF SANTA MARIA, CALIFORNIA

#### CITY HALL COUNCIL CHAMBERS 110 E. COOK STREET



Mayor Larry Lavagnino
Mayor Pro Tem Alice Patino
Councilmember Jack Boysen
Councilmember Mike Cordero
Councilmember Bob Orach



City Manager Tim Ness
City Attorney Gil Trujillo
City Clerk Patti Rodriguez
Chief Deputy City Clerk Patricia Perez
Ex-Officio Clerk of the City Council

#### REGULAR MEETING JULY 5, 2011, AT 6:30 P.M.

This agenda is prepared and posted pursuant to Government Code Section 54954.2. By listing a topic on this agenda, the City Council has expressed its intent to discuss and act on each item. In addition to any action identified in the summary description of each item, the action that may be taken by the City Council shall include: a referral to staff with specific requests for information; continuance; specific direction to staff concerning the policy or mission of the item; discontinuance of consideration; authorization to enter into negotiations and execute agreements pertaining to the item; adoption or approval; and disapproval. Items not on the agenda may not be discussed or acted upon except under emergency circumstances. (Government Code Section 54954.2).

Copies of the staff reports or other documentation relating to each item of business referred to on the agenda are on file in the Office of the City Clerk, 110 East Cook Street, Room 3, available for public inspection during City Hall business hours, and in the Library the Friday before the meeting. Any writing or documents provided to a majority of the City Council after distribution of the Agenda will also be available for public inspection in the Office of the City Clerk. If requested, the agenda and supporting documents shall be made available in alternative formats to persons with a disability. The City Clerk's Office will answer any questions regarding the agenda.

The City of Santa Maria welcomes orderly participation at its meetings from all members of the public. Orderly participation means speaking only on items of City business or on subjects within the City's control. Though the City Council wants to hear your concerns and values your input, it is inappropriate to defame, yell, or use profane language. All cellular telephones and pagers are to be turned off or set to vibrate, and signs are not to be displayed in a manner which violates the rights of others or prevents others from watching or fully participating in the Council meeting. Pursuant to Government Code Section 36813, the Mayor is authorized to prohibit such conduct, up to and including ordering anyone that disrupts the meeting to be removed from the City Council Chambers.

Participation includes assistance under the Americans with Disabilities Act to provide an equally effective opportunity for individuals with a disability to participate in and benefit from City activities. For the hearing impaired, the City has assisted listening equipment available. For TDD (Telecommunications Devices for the Deaf) service, please call (800) 735-2929. In order for the City to make reasonable accommodation arrangements for the use of this assisted listening equipment, notification is required by at least 4:00 p.m. the Friday before the meeting by calling 925-0951, extension 307. This equipment can also be used for translation by Spanish-only speaking persons. To allow the City to coordinate and request a Spanish translator from the volunteer corps, call 925-0951, extension 307 by 1:00 p.m. on Monday before the meeting. Para permitir a la Ciudad el poder coordinar y solicitar a un traductor para español del cuerpo de voluntarios, llame al 925-0951, extensión 307 a la 1:00 de la tarde el lunes antes de la junta.

#### INVOCATION:

#### PLEDGE OF ALLEGIANCE TO THE FLAG:

CALL TO ORDER:

Mayor Lavagnino

ROLL CALL:

Councilmembers Boysen, Cordero, Orach, Patino, and Mayor

Lavagnino

#### 1. PROCLAMATIONS/PRESENTATIONS:

A. Proclamation declaring July 11, 2011, as:

## "SANTA MARIA VALLEY RAILROAD'S 100TH BIRTHDAY CELEBRATION"

in the City of Santa Maria and thanking Mr. Rob Himoto and his staff of dedicated railroaders for their commitment in providing a first-class transportation system for the Santa Maria Valley.

#### B. Presentation and Overview of Santa Barbara County Redistricting Efforts.

- a. Presentation to be made by Dennis Bozanich, Assistant to the County Executive Officer and County redistricting coordinator.
- b. Council discussion and direction.

#### 2. PUBLIC COMMENT PERIOD (NOT TO EXCEED A TOTAL OF 15 MINUTES):

The Council values your input. Individual speakers are limited to three minutes or as directed by the Mayor. To address the Council you are asked to fill out a Request to Speak Form and provide it to City Staff PRIOR TO this part of the agenda. This assists the Clerk in accurately preparing the minutes of the meeting. Once the public comment period commences, no other speakers will be allowed to submit a Request to Speak Form. This time is reserved to accept comments from the public on Consent Agenda items, Closed Session items, or matters not otherwise scheduled on this agenda. Direction to staff may be given; however, State law does not allow action to be taken by the Council on matters not on the printed agenda at this meeting. The law requires that notice be given to the public at large to allow for full disclosure and discussion and decisions on important public issues. To have City Council discussions and decisions on unnoticed items would prevent the type of public input necessary to make governmental decisions.

#### 3. CONSENT CALENDAR:

The following routine items are presented for City Council approval without discussion as a single agenda item in order to expedite the meeting. The Consent Calendar is approved by roll call vote with one motion. These items are discussed only on request of Councilmembers. Members of the public may speak on Consent Calendar items during the Public Comment Period.

## SHOULD A COUNCILMEMBER WISH TO DISCUSS OR DISAPPROVE ANY ITEM, it must be dropped from the blanket motion of approval and considered as a separate item.

ROLL CALL: Councilmembers Boysen, Cordero, Orach, Patino, and Mayor Lavagnino

#### CITY MANAGER/CITY CLERK:

- A. Recommendation of City Staff to waive the reading in full of all Ordinances and Resolutions. Ordinances on the Consent Agenda will be adopted by the same vote cast at the first meeting, unless City Council indicates otherwise.
- B. Recommendation of City Staff that the City Council approve the Minutes of the Regular City Council Meeting of June 21, 2011.
  - a. Minutes to be approved.
- C. Recommendation of City Staff that the City Council adopt resolutions related to <u>personnel</u> changes resulting from budget amendments to the adopted 2011-12 City Budget (second year of the approved two-year budget).
  - a. Resolution No. 2011-68 to be adopted authorizing the creation of new classifications, adjustments to salary ranges and job specifications, eliminating positions, not funding public safety positions, and abolishing classifications no longer in use.
  - b. Resolution No. 2011-69 to be adopted authorizing an update to the City's Conflict of Interest Code.
  - c. Resolution No. 2011-70 to be adopted amending the City's contract with the Public Agency Retirement Services (PARS) for staff in limited-service positions.

#### ADMINISTRATIVE SERVICES DEPARTMENT:

- D. Payment of WARRANTS.
  - a. To be ordered ratified subject to having been certified as being in conformity with the budget and having been approved for payment by the Director of Administrative Services.
- E. Payment of PAYROLL.
  - a. To be ordered ratified subject to having been certified by the proper Department Heads, as shown on records on file in the Department of Administrative Services, and having been approved for payment by the Director of Administrative Services.
- F. Recommendation of City Staff that the City Council adopt resolutions <u>approving the annual</u> operating <u>agreements</u> for the Santa Maria Valley Chamber of Commerce, the Santa Maria Valley Historical Society and Museum, the Santa Maria Museum of Flight, and approving funding for the Chamber of Commerce for economic development services.
  - a. Resolution No. 2011-71 to be adopted approving an operating agreement and funding for economic development services with the Santa Maria Valley Chamber of Commerce.
  - b. Resolution No. 2011-72 to be adopted approving an operating agreement with and allocation to the Santa Maria Valley Historical Society and Museum.

- c. Resolution No. 2011-73 to be adopted approving an operating agreement with and allocation to the Santa Maria Museum of Flight.
- G. Recommendation of City Staff that the City Council adopt a resolution adopting an Investment Policy Statement for The Hartford 457 Deferred Compensation and 401(a) Plans.
  - a. Resolution No. 2011-74 to be adopted approving the Investment Policy Statement.

#### **PUBLIC WORKS DEPARTMENT:**

- H. Recommendation of City Staff that the City Council adopt a resolution approving a one-year renewal agreement with the Santa Maria-Bonita School District for shared funding of the School Crossing Guard Program.
  - a. Resolution No. 2011-75 to be adopted approving a School Crossing Guard Program shared funding agreement.
- I. Recommendation of City Staff that the City Council adopt a resolution approving an agreement with All City Management Services, Inc., for the operation and administration of the School Crossing Guard Program.
  - a. Resolution No. 2011-76 to be adopted approving an agreement with All City Management Services, Inc.
- J. Recommendation of City Staff that the City Council adopt a resolution approving receipt of Proposition 1B Transit Capital funding in the amount of \$300,000, a grant from the State of California.
  - a. Resolution No. 2011-77 to be adopted approving receipt of Proposition 1B funding.
- K. Recommendation of the Traffic Committee that the City Council adopt a resolution establishing a no-stopping zone on either side of the driveways of 116 and 120 South College Drive.
  - a. Resolution No. 2011-78 to be adopted approving a no-stopping zone on South College Drive.
- L. Recommendation of the Traffic Committee that the City Council adopt a resolution establishing a no-stopping zone on either side of the driveway at 129 West Jones Street.
  - a. Resolution No. 2011-79 to be adopted approving a no-stopping zone on West Jones Street.
- M. Recommendation of the Traffic Committee that the City Council adopt a resolution establishing a no-stopping zone on the north side of Donovan Road between River Rock Court and Canyon Drive.
  - a. Resolution No. 2011-80 to be adopted approving a no-stopping zone on Donovan Road.

#### **PUBLIC HEARINGS:**

4. A PUBLIC HEARING TO RECEIVE PUBLIC COMMENTS AND CONSIDER THE BLOCK GRANTS ADVISORY COMMITTEE'S REVISED RECOMMENDATION FOR THE ALLOCATION OF FISCAL YEAR 2011-12 COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) AND HOME INVESTMENT PARTNERSHIPS PROGRAM FUNDS. The City Council is requested to conduct the public hearing to receive public comments and consider the Block Grants Advisory Committee's revised recommendations for the allocation of Fiscal Year 2011-12 CDBG and HOME Investment Partnerships Program funds.

On June 13, 2011, the Block Grants Advisory Committee reconsidered the recommended allocations and prepared a revised recommendation for consideration by the City Council.

- a. Staff report to be made. (Community Programs Manager)
- b. Written communications.
- c. Those in opposition to be heard.
- d. Those in favor to be heard.
- e. After all persons have been heard, and all communications filed, hearing to be closed.
- f. Resolution No. 2011-81 to be adopted approving the revised activities and allocations under the Home Investment Partnerships Program.
- g. Resolution No. 2011-82 to be adopted approving the revised Capital Development activities and allocation under the Community Development Block Grant Program.
- h. Resolution No. 2011-83 to be adopted approving the revised public service activities and allocations under the Community Development Block Grant Program.
  - ROLL CALL: Councilmembers Boysen, Cordero, Orach, Patino, and Mayor Lavagnino
- 5. GENERAL PLAN AMENDMENT AND ZONE CHANGE REQUEST FROM THE CHUMASH CASINO RESORT FOR A PARK AND RIDE LOT AT 1223 FAIRWAY DRIVE, GPZ-2011-002, E-2011-013. The City Council will consider a recommendation from the Planning Commission to approve a Mitigated Negative Declaration of Environmental Impact and a General Plan Amendment from LI (Light Industrial) to CF (Community Facilities) and a Zone Change from 4.22 acres of PD/M-1 (Planned Development/Light Manufacturing) and 1:07 acres of PF (Public Facilities) to 5.29 acres of PD/PF (Planned Development/Public Facilities) for a park and ride lot, Assessor's Parcel No. 111-580-007.

On June 1, 2011, the Planning Commission adopted Resolution Nos. 2587 and 2588 on a 5-0 vote recommending that the City Council approve the Mitigated Negative Declaration and the General Plan Amendment and Zone Change for the Chumash Park and Ride Lot site and project.

- a. Staff report to be made. (Director of Community Development)
- b. Written communications.
- c. Those in opposition to be heard.

- d. Those in favor to be heard.
- e. After all persons have been heard, and all communications filed, hearing to be closed.
- f. Resolution No. 2011-84 to be adopted authorizing the filing of a Mitigated Negative Declaration, E-2011-013.
- g. Resolution No. 2011-85 to be adopted amending the General Plan (Land Use Policy Map) of 4.22 acres of the 5.29 acre site from LI (Light Industrial) to CF (Community Facilities) land use designation.
- h. Ordinance No. 2011-05 rezoning the 5.29 acre site from PD/M-1 (Planned Development/Light Manufacturing) on 4.22 acres and PF (Public Facilities) on 1.07 acres to PD/PF (Planned Development/Public Facilities) on 5.29 acres to be introduced by title only for first reading and continued to the next meeting for second reading and adoption.

ROLL CALL: Councilmembers Boysen, Cordero, Orach, Patino, and Mayor Lavagnino

6. ZONING TEXT AMENDMENTS TO CHAPTERS 2, 12 AND 21 OF TITLE 12 OF THE MUNICIPAL CODE PERTAINING TO THE CENTRAL BUSINESS (C-1) AND AIRPORT SERVICE II (AS-II) ZONING DISTRICTS, Z-2010-006, E-2010-055. The City Council will consider a recommendation from the Planning Commission to approve a Negative Declaration of Environmental Impact and an ordinance amending Chapters 2, 12 and 21 of Title 12 pertaining to permitted and conditional uses.

On June 1, 2011, the Planning Commission unanimously adopted Resolution Nos. 2585 and 2586 recommending that the City Council adopt a Negative Declaration of Environmental Impact and adopt an ordinance approving the various amendments to Chapters 2, 12 and 21 of Title 12 of the Santa Maria Municipal Code.

- a. Staff report to be made. (Director of Community Development)
- b. Written communications.
- c. Those in opposition to be heard.
- d. Those in favor to be heard.
- e. After all persons have been heard, and all communications filed, hearing to be closed.
- f. Resolution No. 2011-86 to be adopted authorizing the filing of a Negative Declaration, E-2010-055.
- g. Ordinance No. 2011-06 amending Chapter 12-2 (Definitions), Chapter 12-12 (Central Business District), and Chapter 12-21 (Airport Service II District) of Title 12 of the Santa Maria Municipal Code to be introduced by title only for first reading and continued to the next meeting for second reading and adoption.

ROLL CALL: Councilmembers Boysen, Cordero, Orach, Patino, and Mayor Lavagnino

- 7. CITY OF SANTA MARIA 2010 URBAN WATER MANAGEMENT PLAN UPDATE. The City Council will conduct a public hearing to accept public testimony and consider the 2010 update to the City's Urban Water Management Plan. [Urban Water Management Plan]
  - a. Staff report to be made. (Utilities Engineer)
  - b. Written communications.
  - c. Those in opposition to be heard.
  - d. Those in favor to be heard.
  - e. After all persons have been heard, and all communications filed, hearing to be closed.
  - f. Resolution No. 2011-87 to be adopted approving the 2010 Urban Water Management Plan Update.

ROLL CALL: Councilmembers Boysen, Cordero, Orach, Patino, and Mayor Lavagnino

#### REPORT BY CITY MANAGER:

ORAL REPORTS OF COUNCILMEMBERS AND OFFICERS (INCLUDING AB1234 REPORTS):

#### ADJOURNMENT:

#### ANNOUNCEMENTS:

CITY COUNCIL MEETINGS ARE TELEVISED LIVE ON COMCAST CABLE TELEVISION CHANNEL 23 AND ARE REBROADCAST AT 9:00 A.M. ON THURSDAYS AND ON THE FOLLOWING TUESDAY AT 6:30 P.M. COUNCIL MEETING VIDEOS ARE ALSO AVAILABLE FOR VIEWING ON THE CITY'S WEB SITE. YOUR ATTENDANCE AT THIS PUBLIC MEETING MAY RESULT IN THE RECORDING AND BROADCAST OF YOUR IMAGE AND/OR VOICE.

IF YOU CHALLENGE A DETERMINATION MADE ON A MATTER ON THIS AGENDA IN COURT, YOU MAY BE LIMITED TO RAISING ONLY THOSE ISSUES YOU OR SOMEONE ELSE RAISED AT THE PUBLIC HEARING DESCRIBED ON THIS AGENDA, OR IN WRITTEN CORRESPONDENCE TO THE CITY COUNCIL AT, OR PRIOR TO, THE PUBLIC HEARING.

THE NEXT REGULAR CITY COUNCIL MEETING WILL BE HELD ON TUESDAY, JULY 19, 2011. THE DEADLINE FOR SUBMITTING ITEMS FOR THE JULY 19TH MEETING IS JULY 7, 2011.

#### CITY CALENDAR

BOARD/ COMMISSION	NEXT MEETING	MEETING PLACE	MEETING TIME
Planning Commission	July 6, 2011	CANCELLED	6:30 p.m.
Block Grants Advisory Committee	July 11, 2011	City Hall Conference Room	5:30 p.m.
Landmark Committee	July 12, 2011	Library Study Room C	4:00 p.m.
All-America City Committee	July 12, 2011	City Hall Conference Room	5:30 p.m.
Recreation and Parks Commission	July 12, 2011	City Council Chambers	6:30 p.m.
Library Board	July 12, 2011	Library Conference Room	7:00 p.m.
Code Compliance Board	July 13, 2011	City Council Chambers	4:00 p.m.
City Furlough Day	July 15, 2011	City Offices Closed	

#### Response to Comments Received at the Public Workshop

Received May 19, 2011 6:30 pm

**Comment:** How the City would maintain water production and distribution when solar flare eruptions disrupted all electrical and communications system?

**Response**: The City could ration its treated water in storage to provide safe drinking water while plumbing water from behind Twitchell Dam into the distribution system to provide water for fire fighting and other needs until electrical and communications systems could be restored.

#### Response to Comments Received at the Public Hearing

Received July 5, 2011 6:30 pm

1. **Comment:** The buildout population projection seems low considering the recent growth that has occurred. What happens at buildout?

**Response**: Population projections are based on the current general plan. As the general plan gets updated, population projections will be adjusted accordingly.

2. **Comment**: What is the annual cost of State Water? Is it covered by rate payers? Why purchase more water?

**Response**: Annual cost is \$23.8 million. Yes, it is covered by rate payers. The additional water is for future growth and water quality.

3. **Comment**: Letter to the editor says Twitchell Reservoir is mismanaged, and should be opened to recreation. Explain how Twitchell is managed.

**Response**: Twitchell is managed to maximize percolation of water by releasing water only until it reaches Bonita Crossing. Twitchell was built for supply augmentation and flood control, not recreation.

4. **Comment**: What is the capacity of Twitchell Reservoir?

**Response**: Stated as 108,000 AF at the meeting. Online resources indicate a storage capacity of over 200,000 AF.

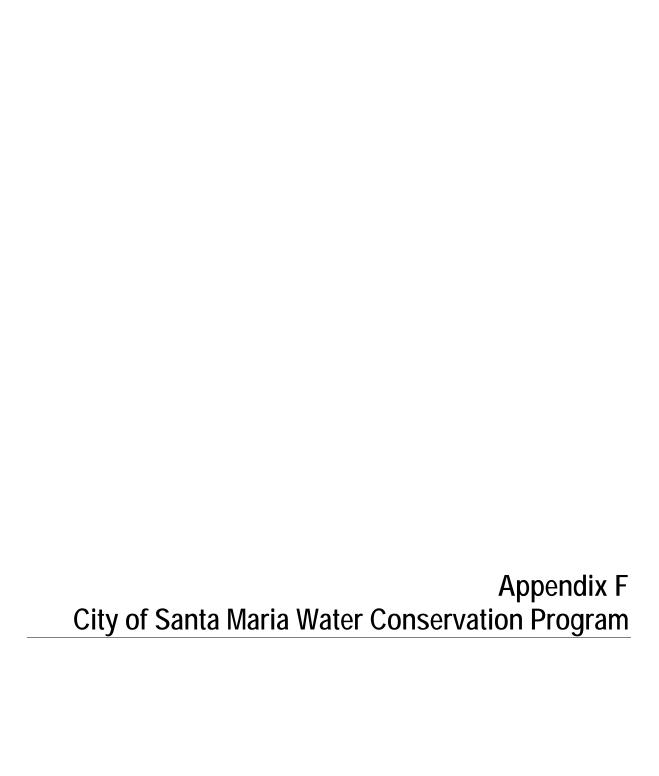
5. **Comment**: Can't the feds force us to release water from Twitchell Dam to control flooding?

**Response**: Yes, this happened in 1969.

6. **Comment**: Will the Stormwater Runoff Plan be folded into the Urban Water Management Plan

**Response**: No, the Stormwater Management Plan focuses on pollutant control, whereas the Urban Water Management Plan focuses on supply.

No Written Comments Received during Public Review Period.



# CITY OF SANTA MARIA WATER CONSERVATION PROGRAM

#### **PROGRAM OUTLINE**

The City of Santa Maria's Water Conservation Program is established to promote the efficient use of local and state water supplies through information and assistance to residential, commercial, and institutional customers. The program provides information regarding technology, monitoring, and legislation concerning efficient water use.

The City's Water Conservation Program is intended to fulfill the water purveyor's obligations to educate customers and implement Best Management Practices (BMP) outlined in the statewide Memorandum of Understanding (MOU) that is administered by the California Urban Water Conservation Council (CUWCC). The Water Conservation Programs and the CUWCC's related BMP's are outlined within this document.

#### **PROGRAMS**

I. Water Survey Programs for Single-Family and Multi-Family Residential Customers. *CUWCC's BMP 01.* 

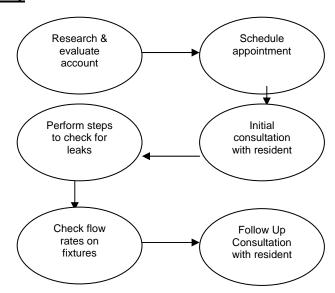
#### Objective:

To provide single-family and multi-family residential customers with indoor and outdoor water audits that will result in reduced water consumption. By providing water saving devices (low flow shower heads, toilet flappers, faucet aerators, and shower timers) as needed, water conservation efforts will be met.

#### Implementation:

Develop and implement a marketing strategy in conjunction with the use of water consumption surveys and data to target single-family and multi-family residential customers that demonstrate high water usage. Marketing strategies may consist of advertisements, publications, and media broadcasts, or direct telephone solicitation. Surveys will include indoor and outdoor components and shall include the following elements:

#### **Indoor Survey:**



#### Step 1 – Research and evaluate account.

- a. Research and evaluate water consumption pattern and history.
- b. Calculate water usage to determine daily usage.

#### Step 2 – Schedule appointment.

a. Arrange an appointment date and time with customer.

#### Step 3 – Initial Consultation with resident.

- a. Discuss customer concerns.
- b. Determine the end results that the customer would like to achieve.
- c. Review account information.

#### Step 4 – Perform steps to check for leaks.

- a. Check toilets, faucets, and water supply meter.
- b. Check plumbing fixtures for leaks.
- c. Check water heater for leaks.
- d. Check water softener unit for leaks.
- e. Take a meter reading and calculate current water usage.

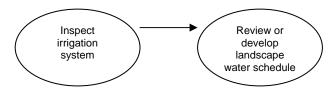
#### Step 5 – Calculate flow rates on fixtures and make recommendations regarding water saving devices.

- a. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, as necessary.
- b. Determine the manufacturer's flow rates. Recommend replacement of showerheads rated 2.5 gpm or less and faucet aerators rated 2.2 gpm or less.
- c. Check toilet flow rates and install displacement devices or recommend a 1.6 gpf ultra-low-flow toilet replacement through a rebate program; replace leaking toilet flapper, as necessary.
- d. Calculate total flow rate of original fixtures and new total flow rate with replacement fixtures and report calculations to customer.

#### Step 6 – Follow up consultation with resident.

- a. Contact customer within one to two billing cycles.
- b. Review account information.
- c. Make any further water conservation recommendations to reduce water consumption.

#### Outdoor Survey:



#### Step 1 – Inspect irrigation system.

- a. Turn on sprinkler system and inspect for water leakage.
- b. Check for malfunctioning and broken sprinklers.
- c. Determine sprinkler patterns and water distribution.
- d. Measure the square footage of irrigated landscape.

#### Step 2 – Review or develop landscape irrigation schedule.

- a. Recommend irrigation adjustments to improve system.
- b. Supply customer with water conservation information.

#### Water Survey Data:

The water survey data will consist of tracking information from a water audit form. The service address information and historical water data will be obtained from the utility billing system. Data from water meter readings will be recorded. Leak detection of toilets, faucets, and irrigation systems will be performed and recorded as data.

#### Monitoring and Tracking Data:

- a. Number of single-family residential accounts in service area.
- b. Number of multi-family residential accounts in service area.
- c. Number of single-family residential surveys offered.
- d. Number of single-family residential surveys completed.
- e. Number of multi-family residential surveys offered.
- f. Number of multi-family residential surveys completed.

#### Initial Water Survey Program Budget:

Task		Cost
Water Conservation	200-300 hours per year	\$18.43 per hour =
Specialist Time		\$5,529.00
Marketing Program	Various Types	\$20,000
Water Conservation Kits consisting of low-flow showerheads, faucet	500 count per year @ \$7.00 each.	\$3,500.00 per year
aerators, leak detector tablets, shower timers, toilet flappers, and tank banks.		

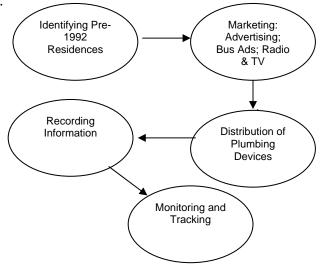
#### II. Residential Plumbing Retrofit Program. CUWCC's BMP 02.

#### Objective:

Identify single and multi-family residences constructed prior to 1992. Distribute high-quality, low-flow showerheads (rated 2.5 gpm or less), toilet displacement devices (as needed), toilet flappers (as needed), and faucet aerators (rated 2.2 gpm or less) as practical to residences requiring them. The program may be discontinued when it has been demonstrated that thirty (30) percent of its residences have been fitted with water saving devices.

#### Implementation:

Develop a marketing strategy for the distribution and/or installation of high-quality, low-flow plumbing devices to not less than thirty (30) percent of the single and multi-family residential customers, on an annual basis.



#### Step 1 – Identifying Pre-1992 Residences

Identifying the location and addresses of single and multi-family residences will be determined with the assistance from the Building Department.

#### Step 2 – Marketing.

Various options exist to promote a marketing strategy. Options to be implemented to achieve the target goal may include:

- a. Postcard survey mailing on an annual basis.
- b. Utility bill insert.
- c. Newspaper advertisement.
- d. Public event distribution.

#### Step 3 – Distribution of Low-Flow Plumbing Devices.

Distribution of low-flow plumbing devices will occur based on the response from the survey or other strategies derived from a marketing plan.

#### Step 4 – Recording Information.

Recorded data for the tracking system will consist of 1) name of customer, 2) account number, 3) service address, 4) construction date, and 5) plumbing devices retrofitted.

#### Step 5 – Monitoring and Tracking Data.

A database will be used to monitor and track the data elements that will include, but are not limited to

- a. Target population of pre-1992 single-family residences and multi-family units to be provided showerheads and other water saving devices.
- b. Number of showerhead retrofit kits distributed.
- g. Number of device retrofits completed.
- h. The estimated percentage of pre-1992 single-family residences and multi-family units in the service area fitted with low-flow showerheads.

#### Residential Plumbing Retrofit Budget:

Task		Cost
Water Conservation	100 hours per year	\$18.43 per hour =
Specialist Time		\$1,843.00
Water Conservation Kits consisting of low-flow showerheads, faucet aerators, leak detector tablets, shower timers, toilet flappers, and tank banks.		\$3,500.00 per year until fulfilled

#### III. Water Audits and Leak Detection Program. CUWCC's BMP 03.

#### Objective:

Annual prescreening system audit will be performed to determine unaccounted for water in the distribution system to determine the need and or scope of a full-scale system audit.

#### Implementation:

The prescreening system audit shall be calculated as follows:

- a. Determining metered sales.
- b. Determining other system verifiable uses.

c. Dividing metered sales plus other verifiable uses by total supply into the system. If this quantity is less than 0.9, a full-scale system audit is desirable.

#### Survey Data:

Data collected from the survey will determine the volume of water being used in the supply system. This shall be derived from the implementation of meter testing, meter replacements, construction meter output, street sweeping, water main leaks, fire hydrant use and repair, sewer maintenance, annual main line flushing, and other verifiable means of calculating water usage.

#### Monitoring and Tracking Data:

Data elements that need to be collected and monitored include, but are not limited to:

- a. Prescreening audit results and supporting documentation.
- b. Maintaining in-house records of audit results for each completed audit period.

#### Water Audit and Leak Detection Budget:

Task		Cost
Water Services Supervisor	40 per hours per year	\$22.81 per hour = \$ 912.40
Water Meter Purchased	1000 meters installed	\$300.00 per meter = \$300,000

#### IV. Volume of Use Metering/Billing Program. CUWCC's BMP 04.

#### Objective:

All new connections require a meter device, which will allow billing by volume. Establish a program for retrofitting existing un-metered connections to bill by volume of use. Identify mixed-use commercial accounts. Conduct a feasibility study to assess the merits of providing incentives to switch mixed-use accounts to a dedicated landscape meter account.

#### Implementation:

By installing new meters for all new connections and implementing a schedule for retrofitting existing un-metered connections more concise water systems audit (BMP 3) can also occur.

#### Monitoring and Tracking Data:

Data elements that need to be collected and monitored include, but are not limited to:

- a. Confirmation that all new connections are metered and are being billed by volume of use.
- b. Number of un-metered accounts in the service area.
- c. Number of un-metered connections retrofitted during the reporting period.
- d. Number of CII accounts with mixed-use meters.
- e. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period.

The City has a very aggressive campaign to ensure all water services are all metered within the City limits. At this time, staff is unaware of any un-metered water services.

#### V. Landscape Conservation Program. CUWCC's BMP 05.

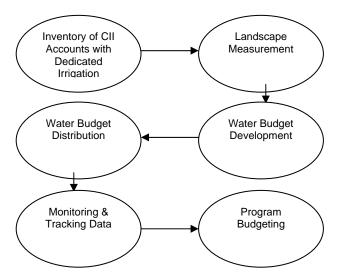
#### Objective:

Provide the Commercial/Industrial/Institutional (CII) customer with support and incentives to improve their landscape water use efficiency.

#### Implementation:

The implementation of landscape programs can be split into three main components.

1. Water Use Budgets: Identify accounts with dedicated irrigation meters and assign evapotranspiration-based (Eto) water use budgets which cannot exceed 100% of Eto per square foot of landscape area. Eto is an estimate of the depth of water evaporated and transpired from tall fescue grass that is actively growing, completely shading the soil, and cut 4 to 6 inches high, where water is not a limiting factor. This becomes the base reference point in establishing Eto's in the water use budgets. Another factor the City must perform is to provide notices each billing cycle to accounts with water use budgets showing the relationship between the budget and actual consumption.



Step 1 - Inventory of CII Accounts with Dedicated Irrigation Meters

- a. Use the City's utility billing system to establish a customer code field identifying these accounts. Include multi-family residential accounts in this task.
- b. Identify sites with multiple dedicated irrigation meters.

#### Step 2 – Landscape Measurement

- a. This will be the most challenging and expensive task to accomplish for BMP 5. There are numerous methods to perform landscape measurement. Any one or more can be applied to any particular account.
  - 1. Field Measurement Accuracy is high. Involves using such techniques as an odometer wheel, pacing, and measuring tape to acquire field data.
  - Landscape Plans Accuracy is medium. Helpful for plant material distinctions and as a supplement to one of the other techniques. Not to be used as the sole method of obtaining field data.
  - 3. Customer Reported Accuracy is low. Customers will not always use the same measurement techniques; 50% probability that customers will not respond. Cost is low since it is based on a survey form.

- 4. Tax Assessor Parcel Information Accuracy is variable. City staff would need to contact the Santa Barbara County Assessor's office and determine if they record hardscape (e.g., parking lots, building footprints) separately from the land's square footage.
- 5. Aerial Photography Accuracy is medium. Cost is medium to high. Requires overlaying photos onto a parcel map to obtain size and dimensions.
- 6. Multi-spectral Digital Images Accuracy is high. Cost would be high for the City. This method can provide irrigated landscape area and plant material distinctions.

#### Step 3 – Water Budget Development

The basic water budget equation prescribed by BMP 5 is as follows:

Water budget = landscape area X (Eto X adjustment factor)
 Water Budget = volume of water budgeted for billing period.
 Landscape Area = total amount of landscape area at site.

Eto = depth of Eto estimated for site during billing period.

Intensity Factor = scale ranging between 0% and 100%

#### **Example Water Budget Calculation**

Landscape area =  $40,000 \text{ ft}^2$ 

Eto = 6 inches or 0.5 ft.

Intensity Factor = 1

Water Budget =  $40,000 \text{ ft}^2 \text{ X } (0.5 \text{ ft. X 1}) = 20,000 \text{ ft}^3 = 200 \text{ccf} = 149,600 \text{ gallons}$ 

Developing a water use budget requires two basic inputs, landscape area and weather data.

#### Landscape Area

The definition of landscape area equals the area of plant material that regularly receives water through an irrigation system. There must be consideration for differentiating among plant materials in use and the costs related to obtaining the landscape measurement when defining a landscape area. Although BMP 5 **does not** require plant materials to be differentiated, it may be in the best interest of the City to group plants in two or three major groups.

#### Weather Data

Reference evapotranspiration (Eto) is a measure of the effect of weather on the need for water by landscape plant materials. Historical and current Eto data is available from the California Irrigation Management Information System (CIMIS) in an electronic format over the Internet by entering the ZIP code for the specific area. Actual Eto observations should be used rather than historical because significant fluctuations can occur in a given year, such as an El Nino year.

#### Step 4 – Water Budget Distribution

Sending notices to customers will require interaction and integration with the City's utility billing system at some point. It is important that the water budgets get to the decision makers of the account in question, so that there would be a greater chance of action being taken regarding the information provided. Additionally, the City will need to make the presentation in an easily understood format, such as gallons of consumption and lost dollars from exceeding their water budget.

#### Step 5 – Monitoring and Tracking Data

BMP 5 requires submission of basic data each reporting period to include number of dedicated irrigation meters, number of dedicated irrigation meters with established water budgets, aggregate water use over all dedicated irrigation meters, and determine budget water use over all dedicated irrigation meters.

#### Step 6 – Program Budgeting

Develop what the costs are for performing the previous steps covered above. Costs to be accounted for include labor, all direct and indirect costs, and overhead. These costs should be rolled together to produce total fixed costs, and costs per site, sorted by tasks listed above. The program budget format is presented below.

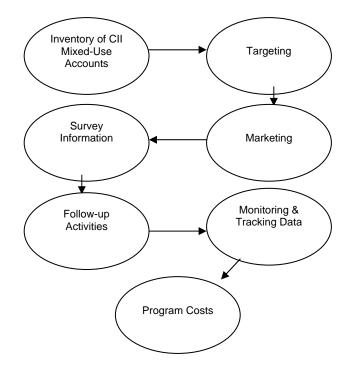
Water Program Budget Formula: P=Personnel V=Vehicle

Task	Fixed Costs	Cost per Site	Notes
Inventory dedicated irrigation meters	40 hours $x p = $$	40 hours x p x $v = $$	Personnel may vary
Landscape Measurement	Consultant	Consultant	Consultant
Monitoring &Tracking	40 hours x p =\$	40 hours x p x v = \$	Personnel may vary
Total			

The second component of BMP 5 is water use surveys.

2. Water Use Surveys: Develop and implement a strategy targeting large landscape water users to complete surveys for CII accounts with mixed-use meters. This would provide non-residential customers with support and incentives to improve their landscape water use efficiency.

There are seven steps that the City's Water Conservation Coordinator needs to undertake and develop in this area.



Step 1 – Inventory of CII Mixed-Use Accounts

This step may be performed simultaneously when the inventory of CII accounts with dedicated irrigation meters is performed in the water budget component. The dedicated irrigation meters derived from the water budget component must be backed out to arrive at the mixed-use accounts. After that filtering process has occurred, the City may take several approaches to finalize the list of mixed-use accounts.

- a. Identify likely irrigation customers by examining historical water use from billing records.
- b. Conduct a mail survey asking customers to specify their end water uses. This could be done while meeting survey requirements for other BMP's.

It is important to remember that multi-family residential sites are typically covered under BMP 1. There will be instances where multi-family sites have mixed-use meters with large landscapes, thus they would fall under BMP 5.

## Step 2 – Targeting

Water surveys must be offered to 20% of CII mixed-use accounts every two years. The surveys must consider a certain factor. The first two factors are the water applied in feet per year as compared to the acres of turf under irrigation, with the focus on sites with less than three acres in size. The third factor to be included in the survey is determining who is managing the irrigation scheduling, if any exists. The survey will make a great tool for a mixed-use account to audit how their landscape contractor is applying the water they will ultimately pay for.

## Step 3 – Marketing

Marketing the water survey and the entire BMP 5 program, helps to maximize the efficiency and return on the program efforts. Mechanisms such as direct mail, landscape contractor communications, and education programs tend to be the best methods.

## Step 4 – Survey Implementation

The significant costs incurred involve the labor for the day-to-day administration and actual fieldwork. The City will use both the Water Conservation Coordinator and outside contractors to accomplish the survey implementation.

## Step 5 – Follow-Up Activities

Water landscape management requires a continuing commitment every year. The City will perform follow-up surveys to gauge the performance of the efforts over long periods of time. Since the reporting requirement for BMP 5 is every two years, then it would make sense to time the follow-up surveys around those timelines. Seasonal notices or "reminders" should also be implemented.

# Step 6 – Monitoring and Tracking Data

Critical data elements that need to be collected and monitored include, but are not limited to:

- a. Number of CII mixed-use accounts.
- b. Number of surveys offered.
- c. Number of surveys accepted.
- d. Annual estimated water savings.
- e. Date of survey.
- f. Site type.
- g. Landscape area.
- h. Site management type.
- i. Measures of technical performance.
- j. Dates and descriptions of follow-up activities, including financial incentives.
- k. How and why customer participated in water survey program.

## Step 7 – Program Costs

Develop what the costs are going to be for performing all the previous steps covered above. Costs to be accounted for include labor, all direct and indirect costs, and overhead. These costs should be rolled together to produce total fixed costs, and costs per site, sorted by tasks listed above. The program budgeting format is presented below.

#### Water Program Budget Formula: P=Personnel V=Vehicle

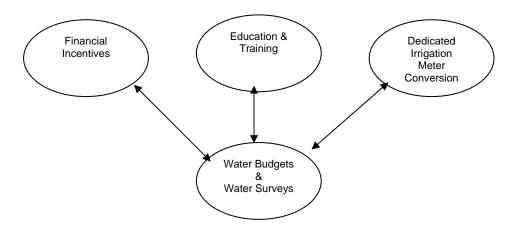
Task	Fixed Costs	Cost per Site
Inventory of CII Mixed Use	40 hours $x p = $$	80 hours x p x $v = $$
meters		
Targeting	20 hours $x p = $$	40 hours $x p x v = $$
Marketing	20 hours $x p = $$	40 hours $x p x v = $$
Survey Implementation	20 hours $x p = $$	40 hours x p x v =\$
Follow-Up Activities	20 hours x p =\$	40 hours x p x v = \$
Monitoring & Tracking	10 hours $x p = $$	80 hours x p x $v = $$

The Water Conservation Coordinator needs to factor in their budgets the uncertainty of schedule surveys, as workloads can fluctuate on customers' responses to marketing input. Typically, there will be less interest in the winter months than in the summer months.

The third component of BMP 5 consists of the following.

3. Supplemental Landscape Programs: These programs include encouraging installation of dedicated landscape meters, training in landscape & irrigation system maintenance, and irrigation system design. It also includes financial incentives to improve irrigation system efficiency such as loans, rebates, and grants for the purchase and/or installation of water efficient irrigation systems.

The supplemental components are integrated with the water budgets and water surveys components.



#### Financial Incentives

The three primary incentive mechanisms are rebates, direct installation programs, and low-interest loans. The financial incentives are a logical step beyond the establishment of water budgets and water surveys to encourage improvement in the mechanical performance of their irrigation systems. CUWCC recommends targeting actions that are related to improving and upgrading irrigation equipment and capabilities, not behavioral characteristics. The CUWCC states the disadvantage of direct installation is the liability of working with vastly different site circumstances. The Water Conservation Coordinator should consider contracting this to a <u>qualified</u> contractor who will have the resources to match the site installation to the materials required. Loans require more administration and unless the amounts are sufficiently large, will not have many customers applying. The City already has a rate structure to encourage conservative use of water in the form of tiered rates on a per unit basis.

#### **Education and Training**

Training and education of customer service staff will continue to occur within the Utilities Department in the area of water conservation as it relates to BMP 5. The Water Conservation Coordinator will be required to give informational seminars to local service clubs and at community events to educate people on water conservation as it relates to BMP 5.

# <u>Dedicated Irrigation Meter Conversion</u>

The installation of a dedicated irrigation meter at a current mixed-use location is cost prohibitive. Currently, the City has no mixed-use meters. If a residence chooses to separate their domestic meter from their landscape meter, this will extend an opportunity for a financial incentive with the reduction in their sewer rates.

## VI. High-Efficiency Washing Machine Rebate Programs. CUWCC's BMP 06.

## Objective:

Offer financial incentive programs for high-efficiency washing machines whenever cost-effective with or without with the presence of a program operated by an energy service provider.

# Implementation:

Provide a cost-effective financial incentive based on significant water saving benefits available from high-efficiency washing machines with the intent of widespread product availability. Incentive levels shall be calculated and offered in conjunction with local energy service providers.

# Monitoring and Tracking Data:

Data elements to be collected and monitored include, but are not limited to:

- a. Customer incentives to purchase high-efficiency washing machines being offered by local energy service providers.
- b. Customer incentives to purchase high-efficiency washing machines being offered by various agencies.

## Rebate Program Expenditures:

Task	Amount and Rate	Cost
Washer Machine Rebates	10 rebates per year @ \$100 each	\$1,000.00 per year

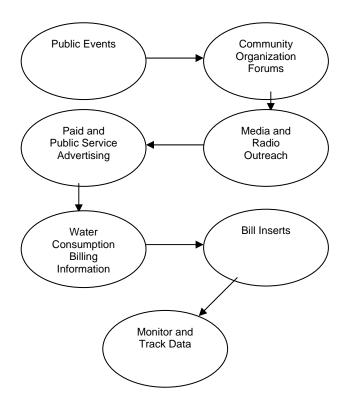
# VII. Public Information Programs. CUWCC's BMP 07.

#### Objective:

Providing a public information program to promote water conservation and related benefits through various communication forums.

#### Implementation:

Public information programs will include, but will not be limited to, providing speakers to employee and community groups and the media; paid advertisements and public service announcements; bill inserts; providing information on customers' bills showing use in gallons per day for the last billing period compared to the same period the year before; and coordinating with other government agencies, industry groups, public interest groups, and the media.



Step 1 - Public Events

During an event, water conservation brochures, department promotional items, and other related water conservation products will be distributed to the community. Communicating the importance of water conservation will be an important aspect to a successful event. Targeted events for participation include Earth Day, Arbor Day, Water Awareness Month, Chamber of Commerce Trade Show; Family Day In The Park, Kids Day In The Park, Landscape Fair, Environmental Fair, and Autumn Arts Grapes and Grains Festival.

## Step 2 - Community Organization Forums

Community presentations will be available to a group of people meeting at a public place to present a water conservation and information program pertinent to local issues. Included will be local boards, commissions, or community groups. Coordinating and promoting specific public activities within the City's water conservation program will include seminars, workshops, and public presentations.

#### Step 3 - Media and Radio Outreach

Outreach efforts may be made by communicating through television announcements and broadcasting of programmed material to the public by radio and Public Education Government television.

#### Step 4 - Paid and Public Service Advertising

Paid and public service advertising may be sought through written publication avenues.

#### Step 5 - Water Consumption Billing Information

Providing the utility billing customers with information of water usage in hundred cubic feet for the last billing period compared to the same period the year before is an important part of the water conservation program.

#### Step 6 - Bill Inserts

The use of informational brochures may be used as bill insert and/or direct mailings.

#### Step 7 - Monitoring and Tracking Data

Data elements that need to be collected and monitored include, but are not limited to:

- a. Number of public speaking events relating to conservation and the number of those in attendance.
- b. Number of media events and the numbers reached.
- c. Number of paid or public service announcements and the distribution numbers for the publications.
- d. Various types of information disseminated relating to conservation.
- e. Annual budget for public information programs.

# Public Information Program Budget:

Task		Cost
Water Conservation	200-300 hours per year	\$18.43 per hour = \$5,529.00
Specialist Time		
Public Service	150 per year	\$10,000 per year
Announcements		
Public Events	6 per year	\$1,500 per year
Bill Inserts or Message	2 times per year	\$2,000 per year
Promotional Water	Items purchased per year	\$10,000 per year
Conservation Information		

# VIII. School Education Programs. CUWCC's BMP 08.

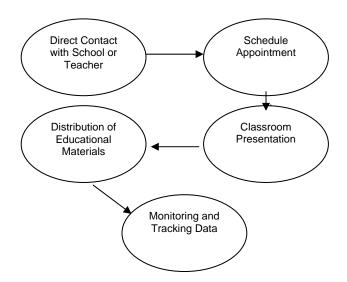
## Objective:

Provide a school education program to promote water conservation and its related benefits through educational materials and classroom presentations.

# Implementation:

Programs shall include working with school districts and private schools in the water suppliers' service area to provide instructional assistance, educational materials, and classroom presentations that identify urban, agricultural, and environmental issues and conditions in the local watershed. The program will educate students in our service area regarding water conservation and efficient water uses. Education materials shall meet the state educational framework requirements and grade appropriate materials shall be distributed to grade levels K-3, 4-6, 7-8, and high school students.

The various components of the school education program will consist of the following:



#### Step 1- Direct contact with school or teacher.

Annual letter will be sent to the local school district. Information will be included in the Water Education Resource Guide provided by the County of Santa Barbara. Brochures will be distributed throughout the local schools provided by the Santa Barbara County Water Agency.

#### Step 2- Schedule appointment.

Arrangements will be made directly between the teacher and presenter.

#### Step 3 – Classroom presentation.

The classroom presentation will provide information to students with regard to, but not limited to:

- a. Water on our earth.
- b. Water in the human body.
- c. The different forms of water.
- d. The water cycle.
- e. How Santa Maria receives our water, State Water.
- f. Water treatment process.
- g. Groundwater.
- h. Water conservation in the home.

#### Step 4 – Distribution of educational materials.

Educational materials will be distributed to the appropriate grade levels following a presentation.

## Step 5 – Monitoring and tracking data.

Data elements to be collected and monitored include, but are not limited to:

- a. Number of school presentations.
- b. Number of students reached.
- c. Number and type of curriculum materials developed and/or provided by water agency.
- d. Number of in-service presentations or teacher's workshops conducted.
- e. Annual budget for school education programs.

# **School Education Program Budget**:

Task		Cost
Water Conservation Specialist Time	100-200 hours per year	\$18.43 per hour = \$3,686.00
Curriculum Materials	Various items purchased per year	\$6,000 per year

# IX. Conservation Programs for Commercial, Industrial, and Institutional (CII) Accounts. *CUWCC's BMP 09.*

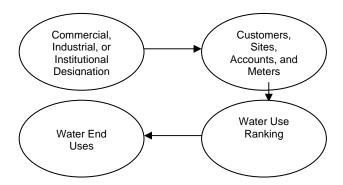
#### Objectives:

Identify and rank CII accounts according to water use. Provide a program to accelerate replacement of existing high-water-using toilets with ultra-low flush- (1.6 gallons or less) toilets. Utilize the County of Santa Barbara Water Agency's CII Water-Use Survey and their Customer Incentives Program.

#### Implementation:

Develop and implement a strategy targeting commercial, industrial, and institutional facilities with existing high-water using toilets and urinals. Provide a program to accelerate the replacement to ultra-

low-flush (1.6 gallons or less) toilets and waterless urinals. Implementation shall take place over a three-year period.



## Step 1 – Commercial, Industrial, Institutional Designation

- a. Identify commercial customers as those who provide or distribute a product or service, such as hotels, restaurants, office buildings, commercial businesses, or other places of commerce.
- b. Identify industrial customers as those who are primarily manufacturers or processors of materials.
- c. Identify institutional customers as those who provide public services. This includes schools, hotels/motels, courts, churches, hospitals, and government institutions regardless of ownership.

## Step 2 – Customer, Sites, Accounts, and Meters

- a. Define a *customer* as one having a water meter that records water use for commercial, industrial, or institutional purposes.
- b. Define a *site* is a contiguous area denoted by the service address. Some sites may have multiple accounts, which may often be the case at large CII sites.
- c. An account will be set up for each water meter at the specified site.
- d. A *meter* will measure water use at a specified point on the water system.

## Step 3 –Water Use Ranking

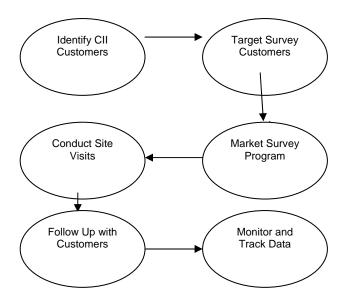
- a. CII customers will be ranked by annual volume of water consumption.
- b. Rankings can be made at the customer, site, account, or meter level.

## Step 4 – Water End Uses

- a. Design and tailor a water conservation program by how water is used at the site.
- b. Study the seasonal pattern of water consumption via billing records estimating some of the water end uses in the service area.

#### Implementation of Water Survey:

The County of Santa Barbara Water Agency has developed and implemented a water-use survey and a customer incentives program. All CII customers may be contacted by the County via letter, telephone, or personal visits and offered water use surveys and customer incentives. Water use surveys will include a site visit, an evaluation of all water-using apparatus and processes, and a customer report identifying recommended efficiency measures, their expected payback period, and available agency incentives. After one year of completing the survey, a follow-up via telephone or onsite visit with the customer to ensure their facility water use and water saving has improved. The County of Santa Barbara Water Agency will track customer contacts, receive surveys, conduct follow-up, and measures taken.



## Step 1 – Identifying CII Customers

- a. Create an inventory of CII customers by identifying customer, site, account and meter relationships.
- b. Rank by water consumption aggregated at the customer, site, and account levels.

# Step 2 – Target Survey Customers

a. County to provide surveys to CII customers by direct contact (via letter, telephone, or personal visit).

# Step 3 – Market Survey Program

- a. Develop recommended cost-effective measures.
- b. Utilize brochure mailings, direct contact, integration with other water agency programs, professional organizations and equipment suppliers to generate participation.

## Step 4 – Conduct Site Visits

- a. Agency employees, outside contractors can perform water-use surveys, or both provided by the County.
- b. Major factors to be considered include cost, quality of service, reliability, flexibility and expected workload.

#### Step 5 –Follow up with Customers

a. Follow-up with the customer will be made within one year of a completed survey to inquire about facility water use and water saving improvements.

#### Step 6 - Monitor and Track Data

- a. Survey summary data will include number of CII accounts, number of surveys offered and completed, type and number of water-saving recommendations implemented, and the program budget and actual program expenditures.
- b. Recording other data for evaluation and tracking will be necessary.
- c. Periodic evaluation of the program will be necessary to improve its efficiency.
- d. Other critical additional data elements to collect include date of survey, type of site, site characteristics, site contact information, dates and descriptions of follow-up activities, including financial incentives and market research on how and why the customer participated in a water-use survey program, and customer water consumption history.

#### CII Program Budget:

Program costs may vary significantly, depending on program circumstances. Labor cost of the surveyors will be the greatest cost component by far because surveys are labor intensive.

## X. Wholesale Agency Assistance. CUWCC's BMP 10.

Objective:

Develop support from water wholesale agencies for conservation programs to retail water suppliers.

# Implementation:

The City is not a wholesale agency.

# XI. Conservation Pricing. CUWCC's BMP 11.

Objective:

Provide a uniform or block rate structure, which will provide incentives to customers to reduce average or peak use, or both.

## **Implementation:**

Review the pricing structure for cost recovery of providing service.

## Objective Measurements for Monitoring and Tracking:

- a. Report annual revenue requirement by customer class for the reporting period.
- b. Report annual revenue derived from commodity charges by customer class for the reporting period.
- c. Report rate structure by customer class for water service and sewer service if provided.

#### XII. Conservation Coordinator. CUWCC's BMP 12.

Objective:

Provide a Water Conservation Specialist and support staff (as needed) to implement conservation programs.

#### Implementation:

Coordinate and implement conservation programs and BMP implementation through the existing Water Conservation Specialist. Prepare and submit the CUWCC BMP Implementation Report. Communicate and promote water conservation issues to the agency senior management; coordinate conservation programs with operations and planning staff; prepare annual conservation budget; preparation of the conservation elements of the agency's Urban Water Management Plan.

## Objective Measurements for Monitoring and Tracking:

- a. Date conservation position created by agency.
- b. Number of components addressed in conservation program currently implemented.
- c. Number of agencies/residents exposed to the conservation program.
- d. Increase in conservation program components.
- e. Increase in the number of agencies/residents reached by the conservation program.

## Conservation Coordinator Program Budget:

Task		Cost
Water Conservation	50 weeks @ 40 hrs	\$36,860.00 per
Specialist Time	each week @ \$18.43 per	year
	hour	

#### XIII. Water Waste Prohibition. CUWCC's BMP 13.

#### Objective:

Establish and maintain the enacted and enforcement measures prohibiting wasteful use of water.

#### Implementation:

Implementation methods shall consist of enforcing measures prohibiting gutter flooding, single pass cooling systems in new connections, and non-recirculating systems in all new conveyer car wash, commercial laundry systems, and non-recycling decorative water fountains.

Support efforts to develop state law regarding exchange-type water softeners that would:

- 1) Allow the sale of only more efficient demand-initiated regenerating (DIR) models;
- 2) Develop minimum appliance efficiency standards that
  - a. Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used.
  - b. Implement an identified maximum number of gallons discharged per gallon of soft water produced
  - c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the re-claimed water or groundwater supply.

Water softener checks in home water audit programs will include information about DIR and exchangetype water softeners in the educational efforts to encourage replacement of less efficient timer models.

## Monitoring and Tracking Data:

Data elements to be documented will include:

- a. The levels of enforcement the City is implementing in terms of staff dedicated to the task and the breadth of involvement.
- b. The number of methods used to enforce measures to meet the objective.

# Water Waste Prohibition Program Budget:

Task	Time	Cost
Water Conservation	40 hours per year	\$18.43 per hour
Specialist Time		·
Environmental Progra	n 80 hours per year	\$35.00 per hour
Coordinator Time		·

# XIV. Residential ULFT Replacement Programs. CUWCC's BMP 14.

## Objective:

Provide a program for replacing existing high-water-using toilets with ultra-low-flush (1.6 gallons or less) toilets in single-family and multi-family residences.

#### **Implementation:**

Programs for replacing existing high-water using toilets with ultra-low-flush toilets will be developed. The programs might include requiring toilet replacement at time of property resale.

## **Data for Monitoring and Tracking:**

- a. The number of single-family residences and multi-family units in service area constructed prior to 1992.
- b. The average number of toilets per single-family residence; the average number of toilets per multi-family unit.
- c. The average persons per household for single-family residences; the average persons per household for multi-family residences.
- d. The housing resale rate for single-family residences in service area; the housing resale rate for multi-family residences in service area.
- e. The number of ULFT (ultra low flow toilets) installations credited to the agency's replacement program, by year.
- f. Estimated cost per ULFT replacement.
- g. Estimated water savings per ULFT replacement.

#### ULFT Replacement Program Budget:

Task:	Time	Cost	
Water Conservation	40 hours per year	\$ 18.43 per hour	
Specialist Time			
Toilet or Rebate Offered	10 toilet purchased per	\$1,000.00 per year	
	year. 10 rebates offered per year.	\$1,000.00 per year	